

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/16/2022 08:58 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124749	-1	1.66	124697	1.58
Blue	F	SSC	125000	122614	-2	3.13	123179	2.94
Blue	E	FITC	13602	13236	-3	2.42	369	13.79
Blue	D	PE	24891	24336	-3	1.87	578	10.28
Blue	B	PerCP-Cy5-5	33972	33351	-2	3.08	949	14.76
Blue	A	PE-Cy7	22865	22789	-1	5.06	481	30.01
Red	C	APC	47198	46380	-2	2.57	1606	11.23
Red	A	APC-Cy7	26454	25705	-3	2.94	725	12.29
Violet	B	V450	6737	6405	-5	3.93	446	11.67
Violet	A	V500	29317	28043	-5	3.50	958	8.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23993	2.81	557	22	N/A	N/A	Pass
Blue	F	SSC	55287	2.26	515	-6	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	0	0.0396	47	Pass
Blue	D	PE	113	37.53	486	0	0.4187	284	Pass
Blue	B	PerCP-Cy5-5	150	40.95	581	2	0.0204	75	Pass
Blue	A	PE-Cy7	80	79.42	624	3	0.0230	5	Pass
Red	C	APC	335	25.51	573	1	0.0297	207	Pass
Red	A	APC-Cy7	136	35.42	551	0	0.0065	1582	Pass
Violet	B	V450	75	50.90	444	-6	0.0689	3555	Pass
Violet	A	V500	113	35.58	464	-5	0.0249	1607	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/16/2022 08:58 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.05	-31.74	1.13
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.43
Red	16.01	13.90 - 20.86	N/A	N/A	30.17	30.39	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12231

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments